IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Olsen et al.

Appl. No. To be assigned

(Divisional of U.S. Appl. No. 08/994,962;

Filed: December 19, 1997)

Filed: Herewith

Human Oncogene Induced

Secreted Protein I

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1488.0440003/EKS/PSC

Batch No. To be assigned

Letter to PTO Draftsman: Submission of Formal Drawings

Commissioner for Patents Washington, D.C. 20231

Sir:

For:

Submitted herewith are four (4) sheets of formal drawings with Figures 1A, 1B, 2 and 3, corresponding to the informal drawings submitted with the above-captioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this Letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

abiliant land now 47, 473

fit Eric K. Steffe

Attorney for Applicants Registration No. 36,688

Date: //www.york Avenue, N.W. Suite 600

Washington, D.C. 20005-3934

(202) 371-2600



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| | | . 1/4 | |
|------------|--------|--|-----------|
| | | TCCCATACAGGCCCCCACCATGAAGGGTTTCACAGCCACTCTCTCCTCTGGACTCTGAT | |
| | | 1 MetLysGlyPheThrAlaThrLeuPheLeuTrpThrLeuIl M K G F T A T L F L M T | T 60 |
| | | C. IIICCCAGCTGCACTGGAGG | 14 |
| | 1 | ePheProSerCysSerGlyGlyGlyGlyGlyLysAlaTrpProThrHisValValCysSe | |
| | 12 | CGACAGCGCTTCCAACA | 120 34 |
| | 35 | CASDS OF CIVIL TO STATE OF THE CONTROL OF THE CONTR | 04 |
| | | S G L E V L Y O S C PAPPOLEUGINASpPheGlyphos | 180 |
| | 181 | rValGlul vecos | 54 |
| | 55 | V E K C S K Q L K S N I I RAPPHEGIVILLIA | 240 |
| | 241 | GAGAGACATCAAAGAGCTTTTTCTTGACCTACCTAC | 74 |
| | 75 | uArgGluAspIleLysGluLeuPheLeuAspLeuAlaLeuMetSerGlnGlySerSerVa R E D I K E L F L D L A L M S Q G S S V | 300 |
| 3 | 301 | TITGAATTCCCCATCTGTGAGGCGCCTCTGGG | .94 |
| | 95 | 1LeuAsnPheSerTyrProIleCysGluAlaAlaLeuProLysPheSerPheCysGlyAr | 360 |
| 36 | 51 | T C F A A L 5 THESELPHELYSCIVA | 114 |
| 11 | | AAGGAAAGGAGAGCAGATTTACTATGCTGGGCCTGTCAATAATCCTGAATTTACTATTCC gArgLysGlyGluGlnIleTyrTyrAlaGlyProValAsnAsnProGluPheThrIlePr TCACCOAD: | |
| 40. | • | 1 CAUTAGAATACCACO | 120 |
| 421 135 | | og1ng1vg1vtvvg1 | 34 |
| 100 | | 48 Q V L L F L V ThrGluLysArgSerThrValAlacu | 30 |
| 481 | | SA La Aspa La Thrill And Andrews Andre | 4 |
| 155 | | A A T I M C S $*$ |) |
| 541 | C - | ATCTCGTGGGACCTCCAAGCTCCTCTGACTGAACCTACTGTGGGAGGAGAAGCAGCTGA | |
| | | | |

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| 601 | TGACAGAGAGAGGCTCTACAAAGAAGCGCCCCCAAAGAGTGCAGCTGCTAATTTTAGTCC | 660 |
|-----|--|-----|
| 661 | CAGGACCAGACATCCCCAGACTCCACAGATGTAATGAAGTCCCCGAATGTATCTGTTTCT | 720 |
| 721 | AAGGAGCCTCTTGGCAGTCCTTAAGCAGTCTTGAGGGTCCATCCTTTTTCTCTAATTGGT | 780 |
| 781 | CGCCTCCCACCAGACTCACCTGCTTTTCAACTTTTTAGGAGTGCTTCCTCACAGTTACCA | 840 |
| 841 | AGAAATAAAGAAAGCTGGCC | |

Nucleotide sequence of Human MD-1 Homolog. Corresponding deduced amino-acid sequence shown below using standard three and one letter abbreviation.

FIG.1B

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Score = 344 (160.0 bits), Expect = 6.6e-44, P = 6.6e-44 Identities = 60/133 (45%), Positives = 86/133 (64%)

Query: 27 WPTHVVCSDSGLEVLYQSCDPLQDFGFSVEKCSKQLKSNINIRFGIILREDILELFLDLA 86 WPTH VC + LE+ Y+SCDP QDF FS+++CS +IR ++LR+ ILEL+ +

Sbjct: 22 WPTHTVCKEENLEIYYKSCDPQQDFAFSIDRCSDVTTHTFDIRAAMVLRQSIKELYAKVD 81

Query: 87 LMSQGSSVLNFSYPICEAALPKFSFCGRRKGEQIYYAGPVNNPEFTIPQGEYQVLLKLYT 146 L+ G +VL++S +C L K FCG++KGE +YY GP+ IPQG+Y + L

Sbjct: 62 LIINGKTVLSYSETLCGPGLSkLIFCGKKKGEHLYYEGPITLGIKEIPQGDYTITARLTN 141

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E R+TVACA+ T+

Sbjct: 142 EDRATVACADFTV 154

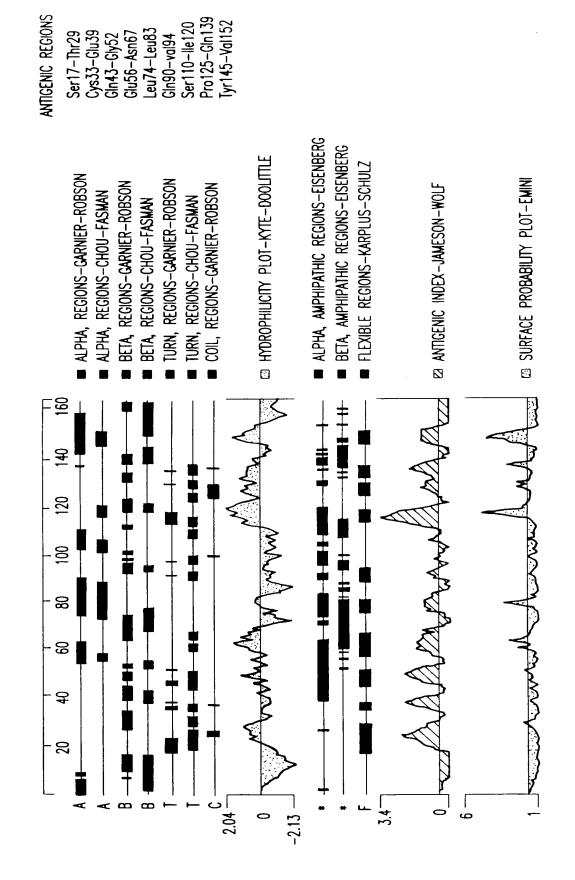
Sequence comparison between human MD-1 protein (upper line) and MD-1 protein from chicken (lower line).

FIG.2

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